Tip Sheet
VitalEEG™ Headset
Initial Setup

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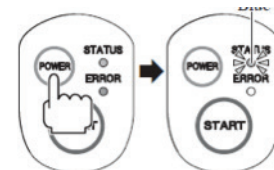NKUniversity.org

This quick reference guide outlines the steps necessary to perform the initial setup of a VitalEEG Headset.
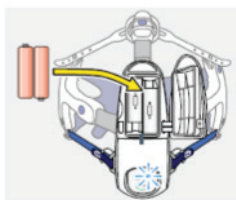
1. Insert two new AA Alkaline batteries into the headset by opening the battery cover on the headset. Once installed, the headset will turn on automatically. To manually turn the EEG headset on, press the **[POWER]** switch on the headset.

2. Connect the micro-USB bluetooth adapter directly to the USB port on the front of the PC of the EEG system. Be sure the receiver is free from metal objects that may block the signal.

3. From the windows desktop, right Click on **[Computer]**, and then click **[Manage]** to open the computer management window.

4. Click **[Device Manager]**,and then Click **[Bluetooth Radios]** to expand options.

5. Right click **[Intel Wireless Bluetooth]**, and then select **[Disable Device]**.

6. Right click **[Generic Bluetooth Radio]** under "Bluetooth Radios" and select **[Properties]**.

7. Click **[Power Management]** and be sure "Allow the computer to turn off this device to save power" is unchecked.
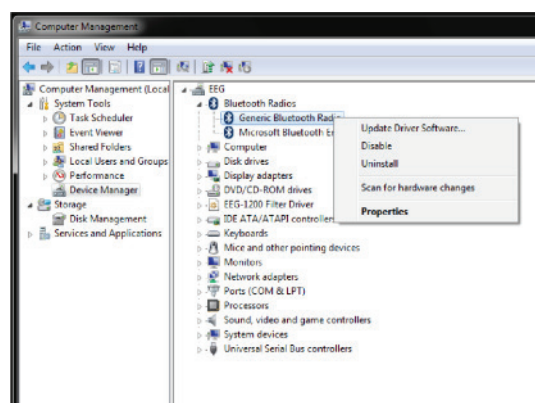
## Configure the VitalEEG Headset Protocol on NeuroWorkbench

1. Open NeuroWorkbench, click on the **[EEG]** tab, and then right click on the desired examination protocol button to create or edit an existing protocol.

2. Under "Protocol" and "Protocol subtitle", assign a name to the protocol, and then click on the **[System Settings]** button to open the "System Program" window.

3. From the window's menu, click on **[Junction Box]**, and then select **[AE-120A (Headset)]** from the drop-down list.

Press for at least 3 seconds.

Registration mode
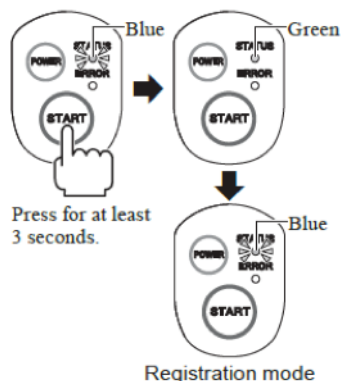
NOTE: A message will appear warning that by changing the junction box a list of settings will be set to their initial settings. These settings will need to be re-configured to your desired settings.

4. Place the headset within one meter (three feet) of the receiver to be connected to the EEG system. Do not place any obstacles between the headset and the receiver. While the status LED on the headset is blinking blue, press and hold the **[Start]** switch for at least three seconds.

5. When the status LED lights green, release the **[Start]** switch. The headset is now in registration mode and the status LED will return to blinking blue.

6. From NeuroWorkbench, click on the **[AE-120A]** button, and within 30 seconds the EEG headset settings window will appear.
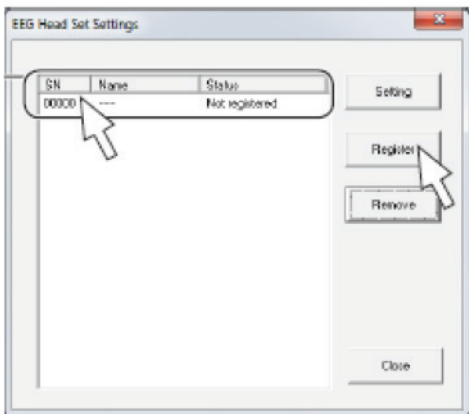
7. Check whether the serial number of the headset with the 'not registered' status matches the serial number of the headset in the registration mode. When they match, click the headset on the "EEG Headset Settings" window to select it, and then click **[Register]**.

8. Within 30 seconds, the "Add a Device" window will appear. Select the headset and click **[Next]**.

   To change the name of the headset, click on the **[Setting]**, enter the name of the headset with up to 10 alphanumeric characters and click **[Update]**.

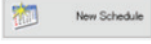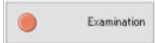9. Click **[Close]** to save and exit the "EEG Headset Settings" window.

Click **[Electrodes]** to open the "Electrodes to be Saved" window, select either 8ch Mode or 6ch Mode to set the number of electrodes to be recorded, then click **[OK]** to close the window.

- When **[8ch Mode]** is selected, the following electrodes are being recorded: F3, F4, C3, C4, T3, T4, O1, and O_2.

- When **[6ch Mode]** is selected, the following electrodes are being recorded: F3, F4, C3, C4, T3, and T4.

- The sampling rate is fixed to 200 Hz.

10. Click **[Pattern]** to open the "Pattern Setting" window, create desired patterns, and then click **[OK]** to save and close.

- To set a channel to display the MOTION waveform, select **[Motion]** in the TC(s) column.

Start an examination to check the VitalEEG Connection

1. From NeuroWorkbench, click on the **[Workbench]** tab, and then click on the **[New Schedule]** button.

2. Enter patient demographics, and then click **[OK]**. ID number and name are required fields.

3. Click on the patient name from the list, select **[Examination]** button, and then select the AE-120A Headset Protocol.

If only one headset is registered on the EEG system, the measurement screen will appear following the
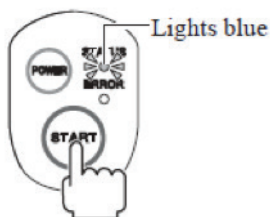
AE-120A EEG Headset connecting window. If multiple headsets are registered on the EEG system, from the "Select EEG Headset" window, select the correct headset icon to connect, and then click **[Connect]**.

4. On the VitalEEG Headset, check that the status LED lights blue, and then press **[Start]** switch on the headset.

This sheet is for quick reference only. Please refer to the operator's manual for further details.
For 24/7 technical support, call (800) 325–0283 and then follow the prompts.